

PCT/EP 03/10509 30 MAR 2005

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INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

REC'D 28 DEC 2004

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Applicant's or agent's file reference P200200656 WO		FOR FURTHER ACTION See Notification of Transmittal of International Preliminary Examination Report (Form PCT/PEA/416)	
International application No. PCT/EP 03/10509	International filing date (day/month/year) 19.09.2003	Priority date (day/month/year) 30.09.2002	
International Patent Classification (IPC) or both national classification and IPC G06F13/16			
Applicant TELEFONAKTIEBOLAGET L M ERICSSON (PUBL) et al.			
<p>1. This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36.</p> <p>2. This REPORT consists of a total of 4 sheets, including this cover sheet.</p> <p><input type="checkbox"/> This report is also accompanied by ANNEXES, i.e. sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).</p> <p>These annexes consist of a total of sheets.</p>			
<p>3. This report contains indications relating to the following items:</p> <p>I <input checked="" type="checkbox"/> Basis of the opinion</p> <p>II <input type="checkbox"/> Priority</p> <p>III <input type="checkbox"/> Non-establishment of opinion with regard to novelty, inventive step and industrial applicability</p> <p>IV <input type="checkbox"/> Lack of unity of invention</p> <p>V <input checked="" type="checkbox"/> Reasoned statement under Rule 66.2(a)(ii) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement</p> <p>VI <input type="checkbox"/> Certain documents cited</p> <p>VII <input type="checkbox"/> Certain defects in the international application</p> <p>VIII <input type="checkbox"/> Certain observations on the international application</p>			
Date of submission of the demand 24.03.2004		Date of completion of this report 28.12.2004	
Name and mailing address of the International preliminary examining authority:  European Patent Office - P.B. 5818 Patentlaan 2 NL-2280 HV Rijswijk - Pays Bas Tel. +31 70 340 - 2040 Tx: 31 651 epo nl Fax: +31 70 340 - 3016		Authorized Officer McDonagh, F Telephone No. +31 70 340-3530 	

**INTERNATIONAL PRELIMINARY
EXAMINATION REPORT**

International application No. **PCT/EP 03/0509**

I. Basis of the report

1. With regard to the elements of the international application (*Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report since they do not contain amendments (Rules 70.16 and 70.17)*):

Description, Pages

1-31 as originally filed

Claims, Numbers

1-25 as originally filed

Drawings, Sheets

1/4-4/4 as originally filed

2. With regard to the **language**, all the elements marked above were available or furnished to this Authority in the language in which the international application was filed, unless otherwise indicated under this item.

These elements were available or furnished to this Authority in the following language: , which is:

- ☐ the language of a translation furnished for the purposes of the international search (under Rule 23.1(b)).
- ☐ the language of publication of the international application (under Rule 48.3(b)).
- ☐ the language of a translation furnished for the purposes of international preliminary examination (under Rule 55.2 and/or 55.3).

3. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, the international preliminary examination was carried out on the basis of the sequence listing:

- ☐ contained in the international application in written form.
- ☐ filed together with the international application in computer readable form.
- ☐ furnished subsequently to this Authority in written form.
- ☐ furnished subsequently to this Authority in computer readable form.
- ☐ The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.
- ☐ The statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.

4. The amendments have resulted in the cancellation of:

- ☐ the description, pages:
- ☐ the claims, Nos.:
- ☐ the drawings, sheets:

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EXAMINATION REPORT**

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5. ☐ This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed (Rule 70.2(c)).

(Any replacement sheet containing such amendments must be referred to under item 1 and annexed to this report.)

6. Additional observations, if necessary:

V. Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement

Novelty (N)	Yes: Claims	3,6-9,11,14,17-20,22
	No: Claims	1,2,4,5,10,12,13,15,16,21,23-25
Inventive step (IS)	Yes: Claims	6,7,17,18
	No: Claims	1-5,8-16,19-25
Industrial applicability (IA)	Yes: Claims	1-25
	No: Claims	

2. Citations and explanations

see separate sheet

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**INTERNATIONAL PRELIMINARY
EXAMINATION REPORT - SEPARATE SHEET**

International application No. PCT/EP 03/10509

1. The following document is referred to in this communication; the numbering will be adhered to in the rest of the procedure.

D1: US-A-6076139

2.1 D1 discloses an electrical device for efficient and flexible control of memory access ("multi-channel memory interface", col 3 line 33),
said device being connected to at least one memory accessing unit ("number ... interface", col 3 lines 56-57),
and connected to a memory comprising at least one physical memory module ("Each ... RDRAMs", col 3 lines 35-36),
said device comprising at least two access channel circuits ("four ... blocks", col 4 lines 38-39),
where at least one access channel circuit is connected to said at least one memory accessing unit via at least one system bus ("front ... bus", col 7 lines 31-32)
and to said at least one physical memory module ("back ... RDRAMs", col 7 lines 32-34),
said at least one access channel circuit providing memory access for said at least one memory accessing unit to at least a part of said memory ("Each ... channel", col 7 lines 28-30).

As a consequence, claim 1 lacks novelty (Art. 33(2) PCT).

2.2 The same objections apply *mutatis mutandis* to independent claims 12, 23, 24 and 25.

3.1 Regarding the dependent claims, claims 2, 4, 5, 10, 13, 15, 16 and 21 lack novelty (Art. 33(2) PCT) with respect to the cited documents.

In addition, dependent claims 3, 8, 9, 11, 14, 19, 20 and 22 lack inventive step (Art. 33(3) PCT).

See the International Search Report for the relevant cited passages.

3.2 The subject-matter of dependent claims 6, 7, 17 and 18 is not obvious in the light of the documents cited in the International Search Report.

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